

Appendix C

Private Water Well Logs

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W127322
UNIQUE WELL I.D. # AFP 504

Water Right Permit No. _____

(1) OWNER: Name David & Debbie Clevenger Address PO Box 416 Morton, WA 98356

(2) LOCATION OF WELL: County Lewis SE 1/4 NE 1/4 Sec 35 T. 13 N. R. 4E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 420-26 Meinars Rd. Morton, WA 98356

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) # 2
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 83 feet. Depth of completed well 83 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 Diam. from +2 ft. to 48 ft.
Welded ☒ 4 Diam. from 43 ft. to 83 ft.
Liner installed ☐
Threaded ☐ Diam. from _____ ft. to _____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used Grinder
SIZE of perforations 1/4 in. by 2 in.
40 perforations from 23 ft. to 83 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land surface elevation above mean sea level _____ ft.
Static level 2.1 ft. below top of well Date 8-26-00
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☐ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

| Time | Water Level | Time | Water Level | Time | Water Level |
|------|-------------|------|-------------|------|-------------|
|------|-------------|------|-------------|------|-------------|

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

| MATERIAL | FROM | TO |
|-------------------------|------|----|
| Clay with boulders | 0 | 22 |
| Sandstone | 22 | 48 |
| Shale | 48 | 66 |
| Shale - Fractured | 66 | 68 |
| Shale | 68 | 79 |
| Shale - Fractured - w/b | 79 | 81 |
| Shale | 81 | 83 |

RECEIVED

AUG 29 2000

Washington State
Department of Ecology

Work Started 8-24-00 Completed 8-26-00

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Maerke's Sons Pump Drilling
(PERSON, FIRM OR CORPORATION) (TYPE OR PRINT)
Address 1286 NW Maryland Ave. Chehalis, 98532
(Signed) Daniel Z. Maerke License No. 2120
(WELL DRILLER)

Contractor's
Registration
No. W06RKSP072N5 Date 8-28-00

(USE ADDITIONAL SHEETS IF NECESSARY)

Ecology is an Equal Opportunity and Affirmative Action employer. For special accommodation needs, contact the Water Resources Program at (206) 407-6600. The TDD number is (206) 407-6006.

(1) OWNER: Name Robert Lyle Address Monton Wd.

(2) LOCATION OF WELL: County Lewis S2 - NW 1/4 NW 1/4 Sec. 1 T. 12 N., R. 4 E. W.M.

Bearing and distance from section or subdivision/corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one).....

| | | | | | |
|---------------|-------------------------------------|-------------|-------------------------------------|--------|--------------------------|
| New well | <input checked="" type="checkbox"/> | Method: Dug | <input type="checkbox"/> | Bored | <input type="checkbox"/> |
| Deepened | <input type="checkbox"/> | Cable | <input checked="" type="checkbox"/> | Driven | <input type="checkbox"/> |
| Reconditioned | <input type="checkbox"/> | Rotary | <input type="checkbox"/> | Jetted | <input type="checkbox"/> |

(5) **DIMENSIONS:** Diameter of well 6 inches.
 Drilled 137 ft. Depth of completed well 137 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from + 6" ft. to 36 ft.

Threaded ☐ " Diam. from _____ ft. to _____ ft.

Welded ☒ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒

Type of perforator used.....

SIZE of perforations in. by in.

..... perforations from ft. to ft.

..... perforations from ft. to ft.

..... perforations from ft. to ft.

Screens: Yes ☐ No ☒

Manufacturer's Name

Type **Model No.**

Diam. **Slot size** **from** **ft. to** **ft.**

Diam. **Slot size** **from** **ft. to** **ft.**

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 38 ft
Material used in seal Cement grout
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off

(7) PUMP: Manufacturer's Name.....
Type: HP.....

(8) **WATER LEVELS:** Land-surface elevation above mean sea level. 1200 ft.
 Static level 14 ft. below top of well Date 9/10/73
 Artesian pressure _____ lbs. per square inch Date _____
 Artesian water is controlled by _____ (Cap. valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?

| Yield: | gal./min. with | ft. drawdown after | hr. |
|--------|----------------|--------------------|-----|
| " | " | " | " |
| " | " | " | " |

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

| Time | Water Level | Time | Water Level | Time | Water Level |
|-------|-------------|-------|-------------|-------|-------------|
| | | | | | |
| | | | | | |

Date of test
 Bailer test 4.5 gal./min. with 3.4 ft. drawdown after 1.25 hr.
 Artesian flow g.p.m. Date
 Temperature of water Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

| MATERIAL | FROM | TO |
|--------------------------------|------|-----|
| TOP Soil - Loam | 0 | 1 |
| Yellow Clay. Some | | |
| Small Gravels | 1 | 18 |
| Yellow Cemented | | |
| Formation With Some | | |
| Broken Rock Shale | 18 | 31 |
| Shale - Grey - Hard | 31 | 40 |
| Shale Rock - Grey - Med | 40 | 60 |
| Hard - Abt. 4900 P.M. Also | | |
| Grey - White Shale Rk | 60 | 68 |
| Abt. 2900 P.M. Water After | | |
| Brown Shale | 68 | 72 |
| White Sandstone or Shale | | |
| With Abt. 1900 P.M. More Water | 72 | 86 |
| Blue - Grey Shale | 86 | 97 |
| Brown - Black Shale | 97 | 127 |
| Grey Shale - Very Hard | 127 | 133 |
| Abt. 12900 P.M. Total Ht | | |
| 133 Ft. Fractured | | |
| Hard Grey Shale Rk | | |
| Fractured With Water | 133 | 137 |

RECEIVED

~~DEC 27 1973~~

DEPARTMENT OF ECOLOGY
SOUTH REGIONAL OFFICE

Work started Sept. 1, 1973 Completed Sept. 10, 1973

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME George P. Gill-Well Drilling
(Person, firm, or corporation) (Type or print)

Address. R.F. 3 Box 326 Chehalis Wa 98532

[Signed] George F. Gill (Well Driller)

License No. 0153 Date SEP 10, 1973

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. W 12107

UNIQUE WELL I.D. # ABE 076

Water Right Permit No. _____

(1) OWNER: Name Edward C. Crim Address 4435 S. 144 St. Tukwila WA, 98168

(2) LOCATION OF WELL: County Lewis NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec 2 T. 12 N., R. 4E W.M.

(2a) STREET ADDRESS OF WELL (or nearest address) 973 Davis Lake Rd Morton, W.A.

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____
Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled _____ feet. Depth of completed well _____ ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 6 " Diam. from 4 1/2 ft. to 60 ft.
Welded ☒ " Diam. from _____ ft. to _____ ft.
Liner installed ☐ " Diam. from _____ ft. to _____ ft.
Threaded ☐ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.
Surface seal: Yes ☒ No ☐ To what depth? 10 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 20 ft. below top of well Date 9-14-93
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☒ No ☐ If yes, by whom? Driller
Yield: 10 gal./min. with 8 ft. drawdown after 1 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level

Date of test 9-14-93

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Airstest _____ gal./min. with stem set at _____ ft. for _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

| MATERIAL | FROM | TO |
|---|------|-----|
| Brown Clay Rocks to 4 inches | 0' | 5' |
| Brown Clay Soft | 5' | 12' |
| Brown Cemented Clay SAND Hard | 12' | 23' |
| GRAY Clay Hard | 23' | 27' |
| Brown Clay Sand and gravel No water | 27' | 46' |
| Brown Clay Sand fine sand water tight formation | 46' | 57' |
| Brown Clay Course SAND GRAVEL water | 57' | 60' |

RECEIVED
APR 15 10:03
WASHINGTON
DEPARTMENT OF
ECOLOGY

Work started 9-10-93 Completed 9-14-1993

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Royer Park Elec Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address P.O. Box 116 Glenoma, WA 98336

(Signed) James R. Duffin License No. 1341
(WELL DRILLER)

Contractor's Registration No. Royer PE 19372 Date 9-15-1993

(USE ADDITIONAL SHEETS IF NECESSARY)



WATER WELL REPORT

start card number- 201732

owner- WINSLOW, KEVIN address- 2ND AND ADAMS, MORTON

location of well, county- LEWIS NE1/4 NE1/4 sec 2 tn 12 r 4EWM
street address of well- DAVIS LAKE ROAD

proposed use- DOMESTIC

number of well- ONE

type of work- NEW CONSTRUCTION

method of construction- AIR ROTARY

dimensions- diameter- 6"
drilled- 100' completed- 100'

construction details
casing installed- 6" from +1' to 27'
- 4.5" from 20' to 100'
welded- YES liner installed- YES

perforations- YES
type of perforater- SAW SLOTS
size of perforations- 1/8 "BY 6 "
44 perforations from 80' to- 100'
perforations from ' to- '

screen- NO
manufacturer
type- model no.-
dia- " size- " from- 'TO
dia- " size- " from- 'TO

surface seal to- 18'
material used- BENTONITE
did any strata contain unusable water?
NO depth of strata 'TO
type of water-
method of sealing-

water levels on this date- 11/19/92
land surface elevation- N/A
static level below top of casing- 38'

well test
was a pump test made? NO
by whom- date-
for results see attached.

air test-
3 gpm with bit set at 95' for 1 hr

| DESCRIPTION | | |
|------------------------------------|------|-----|
| WELL LOG or ABANDONMENT PROCEDURES | | |
| MATERIALS | FROM | TO |
| BRN CLAY AND SAND | 0 | 20 |
| BRN SANDROCK | 20 | 30 |
| BLU SANDROCK | 30 | 41 |
| BLK ROCK SOFT | 41 | 52 |
| TRACE OF WATER AT 41' | | |
| GRY ROCK MED SOFT | 52 | 100 |

3 GPM AT 78-80'
NO INCREASE OF WATER AFTER 80'.

STARTED- 11/18/92 COMPLETED 11/19/92

WELL CONSTRUCTERS CERTIFICATION

I accept responsibility for construction of this well and its compliance with all Washington well construction standards. The information reported above is true to my best knowledge and belief.

KING BROS. DRILLING INC.
644 SHOREY ROAD
CHEHALIS, WASHINGTON 98532
206-748-3798

contractors number- KING BDI 124 DC

CDK King
CURTIS M KING License# 0607

DATE 11/23/92

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

☒ Construction

☐ Decommission ORIGINAL CONSTRUCTION Notice

129761 of Intent Number

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)
☒ New Well ☐ Reconditioned Method ☐ Dug ☐ Bored ☐ Driven
☐ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 200 ft
 Depth of completed well 200 ft

CONSTRUCTION DETAILS 5
 Casing ☒ Welded 6/8" Diam from 1 ft to 23 ft
 Installed: ☒ Liner installed 4 1/2" Diam from 13 ft to 200 ft
☐ Threaded " Diam from ft to ft

Perforations: ☒ Yes ☐ No

Type of perforator used SAW

SIZE of perfs 1/8 in. by 6 in and no of perfs 45 from 180 ft to 199 ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location

Manufacturer's Name

Type Model No

Diam Slot Size from ft to ft

Diam Slot Size from ft to ft

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand

Materials placed from ft to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 22 ft

Materials used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type H.P.

WATER LEVELS: Land-surface elevation above mean sea level ft

Static level 23 ft below top of well Date 3-13-03

Artesian pressure lbs per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time Water Level Time Water Level

Time Water Level Time Water Level

Time Water Level Time Water Level

Date of test

Bailer test 20+ gal/min with 130 ft drawdown after 1 hrs

Airtest gal/min with stem set at ft for hrs

Artesian flow g p m Date

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. W 162373

Unique Ecology Well ID Tag No. AGP511

Water Right Permit No.

Property Owner Name KEVIN WINSLOW

Well Street Address 389E DAVIS LKRD

City MORTON 98356 County: LEWIS

Location NE 1/4- 1/4 NE 1/4 Sec. 2 Twn 12 R 4 EWM circle or one WWM

Lat/Long: Lat Deg Lat Min/Sec

(s, t, r still REQUIRED) Long Deg Long Min/Sec

Tax Parcel No. 02976000 4000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

| MATERIAL | FROM | TO |
|----------------------------|------|------|
| YELLOW BRN SANDY CLAY | 0 | 8 |
| " " SANDY CLAY | 8 | 20 |
| BLUE GRAY HARD ROCK | 20 | 35 |
| COAL | 35.5 | 36 |
| BRN BLACK HARD CLAY | 36 | 49 |
| BLUE BLACK HARD SANDY ROCK | 49 | 80 |
| COAL | 80 | 85 |
| BLUE BLACK SANDY ROCK | 85 | 200+ |
| CRACKED 180 TO 195 | | |
| WATER BEARING 24 TO 25 | | |
| AND 180 TO 195 | | |
| RECEIVED | | |
| MAR 18 2003 | | |
| DEPARTMENT OF ECOLOGY | | |
| WELL DRILLING UNIT | | |

Start Date 2-19-03 Completed Date 3-13-03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Ed King

Driller/Engineer/Trainee Signature Ed King

Driller or Trainee License No. 2670

If trainee, licensed driller's

Signature and License no.

Drilling Company Ed's Well Drilling

Address 108 MAULWEE DR

City, State, Zip SILVER CREEK WA 98585

Contractor's

Registration No. ED36649 Date 3-14-03

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

☒ Construction

☐ Decommission ORIGINAL CONSTRUCTION Notice

129761 of Intent Number

PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☐ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)
☒ New Well ☐ Reconditioned Method ☐ Dug ☐ Bored ☐ Driven
☐ Deepened ☒ Cable ☐ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 6 inches, drilled 200 ft
 Depth of completed well 200 ft

CONSTRUCTION DETAILS 5
 Casing ☒ Welded 6/8" Diam from 1 ft to 23 ft
 Installed: ☒ Liner installed 4 1/2" Diam from 13 ft to 200 ft
☐ Threaded " Diam from ft to ft

Perforations: ☒ Yes ☐ No

Type of perforator used SAW

SIZE of perfs 1/8 in. by 6 in and no of perfs 45 from 180 ft to 199 ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location

Manufacturer's Name

Type Model No

Diam Slot Size from ft to ft

Diam Slot Size from ft to ft

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand

Materials placed from ft to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 22 ft

Materials used in seal BENTONITE

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type H.P.

WATER LEVELS: Land-surface elevation above mean sea level ft

Static level 23 ft below top of well Date 3-13-03

Artesian pressure lbs per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Yield gal/min with ft drawdown after hrs

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time Water Level Time Water Level

Time Water Level Time Water Level

Time Water Level Time Water Level

Date of test

Bailer test 20+ gal/min with 130 ft drawdown after 1 hrs

Airtest gal/min with stem set at ft for hrs

Artesian flow g p m Date

Temperature of water Was a chemical analysis made? ☐ Yes ☒ No

CURRENT

Notice of Intent No. W 162373

Unique Ecology Well ID Tag No. AGP511

Water Right Permit No.

Property Owner Name KEVIN WINSLOW

Well Street Address 389E DAVIS LKRD

City MORTON 98356 County: LEWIS

Location NE 1/4- 1/4 NE 1/4 Sec. 2 Twn 12 R 4 EWM circle or one WWM

Lat/Long: Lat Deg Lat Min/Sec

(s, t, r still REQUIRED) Long Deg Long Min/Sec

Tax Parcel No. 02976000 4000

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered (USE ADDITIONAL SHEETS IF NECESSARY)

| MATERIAL | FROM | TO |
|----------------------------|------|------|
| YELLOW BRN SANDY CLAY | 0 | 8 |
| " " SANDY CLAY | 8 | 20 |
| BLUE GRAY HARD ROCK | 20 | 35 |
| COAL | 35.5 | 36 |
| BRN BLACK HARD CLAY | 36 | 49 |
| BLUE BLACK HARD SANDY ROCK | 49 | 80 |
| COAL | 80 | 85 |
| BLUE BLACK SANDY ROCK | 85 | 200+ |
| CRACKED 180 TO 195 | | |
| WATER BEARING 24 TO 25 | | |
| AND 180 TO 195 | | |
| RECEIVED | | |
| MAR 18 2003 | | |
| DEPARTMENT OF ECOLOGY | | |
| WELL DRILLING UNIT | | |

Start Date 2-19-03 Completed Date 3-13-03

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Ed King

Driller/Engineer/Trainee Signature Ed King

Driller or Trainee License No. 2670

If trainee, licensed driller's

Signature and License no.

Drilling Company Ed's Well Drilling

Address 108 MAULWEE DR

City, State, Zip SILVER CREEK WA 98585

Contractor's

Registration No. ED36469 Date 3-14-03

Ecology is an Equal Opportunity Employer ECY 050-1-20 (Rev 4/01)

Start Card No. 029677

Water Right Permit No.

Fiber.

ECY 050-1-20 (10/87) -1329-

FCY 050-1-20

Start Card No. 029689

Water Right Permit No.

(2a) STREET ADDRESS OF WELL (or nearest address) 267 Priest Rd, Morton, WA.

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

Drilled _____ feet. Depth of completed well _____ ft.

Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

(USE ADDITIONAL SHEETS IF NECESSARY)

FCY 050-1-20 (10/87) -1329-

Second Copy — Owner's Copy
Third Copy — Driller's Copy

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name James Keen Address Box 691 Morton Wv.
(2) LOCATION OF WELL: County Lewis NE 1/4 - SE 1/4 Sec 34 T 13 N. R. 4E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well
(if more than one).....

| | | | | | |
|---------------|-------------------------------------|-------------|-------------------------------------|--------|--------------------------|
| New well | <input checked="" type="checkbox"/> | Method: Dug | <input type="checkbox"/> | Bored | <input type="checkbox"/> |
| Deepened | <input type="checkbox"/> | Cable | <input checked="" type="checkbox"/> | Driven | <input type="checkbox"/> |
| Reconditioned | <input type="checkbox"/> | Rotary | <input type="checkbox"/> | Jetted | <input type="checkbox"/> |

(5) **DIMENSIONS:** Diameter of well 6 inches.
 Drilled 70 ft. Depth of completed well 70 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from +1 ft. to 44' ft.

Threaded ☐ " Diam. from _____ ft. to _____ ft.

Welded ☒ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☐ No ☒

Type of perforator used

SIZE of perforations in. by in.

..... perforations from ft. to ft.

..... perforations from ft. to ft.

..... perforations from ft. to ft.

Screens: Yes ☐ No ☒

Manufacturer's Name.....

Type..... Model No.....

Diam. Slot size from ft. to ft.

Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☒ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☒ No ☐ To what depth? 32 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name.....
Type: H.P.....

(8) **WATER LEVELS:** Land-surface elevation ft
above mean sea level.
Static level 10 ft. below top of well Date 2-8-79
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes ☐ No ☒ If yes, by whom?

| Yield: | gal./min. with | ft. drawdown after | hrs |
|--------|----------------|--------------------|-----|
| " | " | " | " |
| " | " | " | " |

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

| Time | Water Level | Time | Water Level | Time | Water Level |
|------|-------------|------|-------------|------|-------------|
| | | | | | |
| | | | | | |
| | | | | | |

Date of test
 Bailor test 25 gal./min. with 56 ft. drawdown after 2 hrs

Artesian flow _____ g.p.m. Date _____

Temperature of water..... Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

| MATERIAL | FROM | TO |
|---|------|----|
| TOP SOIL | 0 | 1 |
| YELLOW CLAY | 1 | 17 |
| YELLOW CLAY WITH SOME SMALL BLDNS | 17 | 22 |
| BLUE CLAY | 22 | 29 |
| BLACK SHALE ROCK WITH SOME WATER | 29 | 40 |
| BLUE SAND STONE WITH WATER AT 53 FT AND 66-68 FT. | 40 | 70 |

RECEIVED

FEB 13 1979

DEPARTMENT OF ECOLOGY
SOUTHWEST REGIONAL OFFICE

Work started Jan. 24, 1979 Completed Feb 8, 1979

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME 971 22 DE -- DATE 2/1/77
(Person, firm, or corporation) (Type or print)

Address 4010 Jackson Hwy, Chesapeake

[Signed] George D. Suter
(Well Driller)

License No. 0153 Date 2-8, 1979

WATER WELL REPORT

Start Card No. 204845

STATE OF WASHINGTON

Water Right Permit No. _____

(1) OWNER: Name MIKE COLLINS Address P.O. Box 453 Morton

(2) LOCATION OF WELL: County LEWIS SE & NE Sec. 34 T. 13 N., R. 4 E.

(2a) STREET ADDRESS OF WELL (or nearest address) O'Neil Rd. Morton

(3) PROPOSED USE: ☒ Domestic ☐ Industrial ☐ Municipal ☐
☐ Irrigation ☐ Test Well ☐ Other ☐
☐ DeWater

(4) TYPE OF WORK: Owner's number of well (if more than one) _____

Abandoned ☐ New well ☒ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 245 feet. Depth of completed well 245 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 ft. Diam. from 1 ft. to 99 ft.
Welded ☒ 4 ft. Diam. from 85 ft. to 245 ft.
Liner installed ☒
Threaded ☐ ft. Diam. from _____ ft. to _____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used SAW CUT
SIZE of perforations 1/4 in. by 2 in.
30 perforations from 239 ft. to 245 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____ Model No. _____
Type _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☒ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☒
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name N/A
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation above mean sea level _____ ft.
Static level 98 ft. below top of well Date 11-27-92
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap. valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom? _____
Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

| Time | Water Level | Time | Water Level | Time | Water Level |
|------|-------------|------|-------------|------|-------------|
| | | | | | |
| | | | | | |
| | | | | | |

Date of test _____

Ball test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Air test 2 gal./min. with stem set at 235 ft. for 1 hrs.
Artesian flow _____ g.p.m. Date 11-27-92
Temperature of water _____ Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

| MATERIAL | FROM | TO |
|------------------|------|-----|
| Sandy CLAY LOAM | 0 | 8 |
| CLAY | 8 | 16 |
| SAND CLAY | 16 | 32 |
| SILT & SAND | 32 | 34 |
| CLAY | 34 | 56 |
| Sandstone | 56 | 61 |
| CLAY & SAND | 61 | 97 |
| SANDSTONE | 97 | 103 |
| ROCK | 103 | 114 |
| SILTSTONE | 114 | 122 |
| BROKEN ROCK WB | 122 | 123 |
| SANDY SHALE ROCK | 123 | 162 |
| CLAY | 162 | 245 |

Work started 11-25, 19. Completed 11-27, 1992

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME MOERKE & SONS (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 611 Cousins Rd. Chehalis

(Signed) El Moerke License No. 1138
(WELL DRILLER)

Contractor's Registration No. MOERKEBP13709 Date 1-8, 1993

(USE ADDITIONAL SHEETS IF NECESSARY)

No....../.....-

A. F. No. 7442-OS-13-06

Appli. #8153

A 4x4 grid with a circled dot in the top-right cell.

County Lewis

Area

Map.

SE ¼ NE ¼ sec 35 T 13 N R 4 E

Drilling Co. Tacoma Pump, supervised by Robinson.

~~Robert~~ Roberts, & Associates, Tacoma, Wash.

Method of Drilling Cable Date 19 61

Owner Town of Morton

Address Morton, Washington

Land surface, datum.....ft. above
below

SWL: 7.95' Date Sept. 25 1961 Dims. 12" x 44'

Turn up (Over) Sheet of sheet